

#### DECLARATION OF DR. H. STEPHEN EWART

I hereby declare and state as follows:

- 1) I am currently employed at Ocean Nutrition Canada, Ltd. in the capacity of Senior Research Scientist.
- I am familiar with pending United States patent application Serial Number 09/385,834 entitled "A Nutritional Supplement for Lowering Serum Triglyceride and Cholesterol Levels" and I am currently responsible for the research project from which this patent application arose.
- 3) My qualifications as a scientist are as follows:

#### Education

09/87 - 09/93	Ph.D. in Biochemistry, Memorial University of Newfoundland
09/84 - 05/86	M.Sc. in Biology, Mount Allison University
09/79 - 04/83	B.Sc. (Honours) in Biology, Mount Allison University

#### **Employment in Research**

Senior Research Scientist - Ocean Nutrition Canada Ltd.
Halifax, Nova Scotia
Postdoctoral fellow, Department of Pharmacology & Therapeutics
University of Calgary - Calgary, Alberta
Postdoctoral fellow, Division of Cell Biology
Hospital for Sick Children - Toronto, Ontario
Research assistant, Department of Biology
Mount Allison University - Sackville, New Brunswick

#### Honours and Awards

Hugh Sellers Postdoctoral Fellowship - Banting and Best Diabetes Centre
Merck Frosst - Canadian Biochemical Society Student Travel Award
Memorial University Graduate Student Fellowship
Memorial University of Newfoundland
Wilkinson Scholarship - Mount Allison University
Entrance Scholarship - Mount Allison University

#### **Publications**

#### Refereed papers

Shimoni, Y., Severson, D., and Ewart, H.S. (2000) Insulin resistance and the modulation of rat cardiac K+ currents. Am J Physiol. (Heart Circ Physiol) 279: H639-H649.

Ewart H.S., Carroll, R., Severson, D.L. (1999) Lipoprotein lipase activity is stimulated by insulin and dexamethasone in cardiomyocytes from diabetic rats. Can. J. Physiol. Pharmacol. 77: 571-578.

Ewart H.S., Severson, D.L. (1999) Insulin and dexamethasone stimulation of cardiac lipoprotein lipase activity involves the actin-based cytoskeleton. Biochem J. 340: 485-490.

Shimoni, Y., Ewart, H.S., Severson, D.L. (1999) Insulin stimulation of rat ventricular K<sup>+</sup> currents requires the integrity of the cytoskeleton. J. Physiol.514: 735-745.

Ewart, H.S., Somwar, R., Klip, A. (1998) Dexamethasone stimulates the expression of GLUT1 and GLUT4 proteins via different signalling pathways in L6 skeletal muscle cells. FEBS Lett. 425: 179-183.

Shimoni, Y., Ewart, H.S., Severson, D.L. (1998) Type I and II models of diabetes produce different modifications of K<sup>+</sup> currents in rat heart: role of insulin. J. Physiol. 507: 485-496.

Squires, S.A., Ewart, H.S., McCarthy, C., Brosnan, M.E., Brosnan, J.T. (1997) Regulation of hepatic glutaminase in the streptozotocin-induced diabetic rat. Diabetes 46: 1945-1949.

Anderson, L.G., Carroll, R., Ewart, H.S., Acharya, A., and Severson, D.L. (1997) Heparin-releasable lipoprotein lipase activity is increased in cardiomyocytes after culture. Am. J. Physiol. 273: E759-E767.

Ewart, H.S., Carroll, R., Severson, D.L. (1997) Stimulation of lipoprotein lipase in rat cardiomyocytes by insulin and dexamethasone. Biochem J. 327: 439-442.

Estrada, D.E., Ewart, H.S., Tsakiridis, T., Volchuk, A., Ramlal, T., Tritschler, H., Klip, A. (1996) Stimulation of glucose uptake by a natural coenzyme, -lipoic acid: participation of elements of the insulin signaling pathway. Diabetes 45: 1798-1804.

Ramlal T., Ewart, H.S., Somwar, R., Deems, R.O., Valentin M.A., Young, D.A., Klip, A. (1996) Muscle subcellular localization and recruitment by insulin of glucose transporters and Na<sup>+</sup>/K<sup>+</sup>-ATPase subunits in transgenic mice overexpressing the GLUT-4 glucose transporter. Diabetes 45: 1516-1523.

Volchuk, A., Wang, Q., Ewart, H.S., Liu, Z.,He, L., Bennett, M.K., Klip, A. (1996) Syntaxin 4 in 3T3-L1 adipocytes: regulation by insulin and participation in insulin-dependent glucose transport. Mol. Biol. Cell 7: 1075-1082.

Ewart, H.S., Qian, D., Brosnan, J.T. (1995) Activation of hepatic glutaminase in the endotoxin-treated rat. J. Surg. Res. 59: 245-249.

Ewart, H.S., Brosnan, J.T. (1993) Rapid activation of hepatic glutaminase in rats fed on a single high-protein meal. Biochem. J. 293: 339-344.

Ewart, H.S., Jois, M., Brosnan, J.T. (1992) Rapid stimulation of the hepatic glycine cleavage system in rats fed on a single high-protein meal. Biochem. J. 283: 441-447.

Jois, M., Ewart, H.S., Brosnan, J.T. (1992) Regulation of glycine catabolism in rat liver mitochondria. Biochem. J. 283: 435-439.

Ewart, H.S., Driedzic, W.R. (1990) Enzyme activity levels underestimate lactate production rates in cod (*Gadus morhua*) gas gland. Can. J. Zool. 68: 193-197.

Ewart, H.S., Canty, A.A., Driedzic, W.R. (1988) Scaling of cardiac oxygen consumption and enzyme activity levels in sea raven (*Hemitripterus americanus*). Physiol. Zool. 61: 50-56.

Ewart, H.S., Driedzic, W.R. (1987) Enzymes of energy metabolism in salmonid hearts: spongy versus cortical myocardia. Can. J. Zool. 65: 623-627.

#### Chapters in books

Tsakiridis, T., Ewart, H.S., Ramlal, T., Volchuk, A., Estrada, D.E., Tritschler, H., Klip, A. (1997) α-lipoic acid stimulates glucose transport in muscle and adipose cells in culture: comparison with the actions of insulin and dinitrophenol. In: Thioctic Acid in Health and Disease (J. Fuchs, L. Packer, and G. Zimmer, eds.) Marcel Dekker, Inc., New York. pp. 87-98.

Brosnan, J.T., Ewart, H.S., Squires, S.A. (1995) Hormonal control of hepatic glutaminase. Advan. Enzyme Regul. 35: 131-146.

Brosnan, J.T., Ewart, H.S., Squires, S.A., Day, S.H., Kovacevic, Z., Brosnan, M.E. (1994) Hormonal and dietary control of hepatic glutamine metabolism. Contrib. Nephrol. 110: 109-114.

#### Abstracts

Ewart, H.S., Shimoni, Y., Severson, D.L. (1998) K<sup>+</sup> currents in insulin-resistant rat models of diabetes. J. Physiology 511.P: 148P.

Ewart, H.S., Severson, D.L. (1998) Regulation of cardiac lipoprotein lipase. Cardiovascular/Lipid & Lipoprotein Research Group Retreat, University of Alberta, Edmonton.

Shimoni, Y., Ewart, H.S., Severson, D.L. (1997) Effects of insulin on cardiac K<sup>+</sup> currents. Canadian Diabetes Association Professional Conference and Annual Meetings. Windsor, Ontario. J. Diabetes Care (Suppl): 55A.

Severson, D.L., Ewart, H.S., Anderson, L. (1997) Metabolic and hormonal regulation of cardiac lipoprotein lipase. Lipoprotein Metabolism, Obesity and Atherosclerosis (Satellite Symposium of the XIth International Symposium on Atherosclerosis. Saint-Malo, France.

Ewart, H.S., Carroll, R., Severson, D.L. (1997) Lipoprotein lipase activity is stimulated in rat cardiomyocytes by insulin and dexamethasone. J. Mol. Cell. Cardiol. 29: A160

Ewart, H.S., Severson, D.L. (1997) Stimulation of lipoprotein lipase in rat cardiomyocytes by insulin and dexamethasone. Cardiovascular/Lipid & Lipoprotein Research Group Retreat, University of Alberta, Edmonton.

Ramlal T., Ewart, H.S., Deems, R.O., Valentin M.A., Young, D.A., Klip, A. (1996) Insulin induced translocation of glucose transporter and Na<sup>+</sup>/K<sup>+</sup>-pump isoforms in skeletal muscle of transgenic mice overexpressing the human GLUT4 glucose transporter. Diabetes 45 (Suppl 2): 246A.

Brosnan, J. T., Ewart, H.S., Squires, S.A., Day, S H., Kovacevic, Z., Brosnan, M.E. (1993) Hormonal and dietary control of hepatic glutamine catabolism. 6th International Workshop on Renal Ammoniagenesis and Interorgan Cooperation in Acid-base Homeostasis. Villa Hanbury, Mortola, Italy.

Ewart, H.S., Jois, M., Brosnan, J.T. (1992) Acute regulation of hepatic glutaminase in rats fed a single high protein meal. 35th Annual Meeting CFBS: 262.

Squires, S.A., Ewart, H.S., Hall, B., Brosnan, J.T. (1992) How does glucagon activate a mitochondrial enzyme? - Effects of okadaic acid on glutaminase in intact hepatocytes. 35th Annual Meeting CFBS: 259.

Ewart, H.S., Jois, M., Brosnan, J.T. (1991) Activation of amino acid metabolism following a single high protein meal. FASEB J. 5: A1305.

Ewart, H.S., Jois, M., Brosnan, J.T. (1990) Liver mitochondria from rats fed a high protein diet or meal show enhanced glycine catabolism. FASEB J. 4: A3124.

Ewart, H.S., Jois, M., Brosnan, J.T. (1990) Liver mitochondria from rats fed a high protein diet or meal show enhanced glycine catabolism. 33rd Annual Meeting CFBS: 280a.

4) To determine the effect of our dietary supplement on serum cholesterol and triglyceride levels, the following experimental protocol was followed:

Eighteen male albino guinea pigs (approximately 17 days of age) were divided into two groups, one that would be fed our dietary supplement, the other would be given a corn-oil supplemented diet. The animals were given free access to water, (supplemented with 200 mg/L ascorbic acid) and were fed normal guinea pig diet for seven days until the supplemented diets were ready. Two days into this feeding schedule, blood was collected. The serum cholesterol and triglyceride levels in the blood from this collection serve as baseline values.

The two groups of guinea pigs were then each started separately on our dietary supplement and a control diet that did not contain added cholesterol. These diets were maintained for 1 week.

Each group was then respectively fed, for the remainder of the experiment, our dietary supplement and the control diet that contained added cholesterol. Two days after the start of these diets, blood was collected again. The serum cholesterol and triglyceride levels were measured.

On termination of the feeding schedule, blood was again collected from the guinea pigs, which were then sacrificed. The serum cholesterol and triglyceride levels were measured.

Serum cholesterol and triglyceride levels were measured using a Vitros Analyser System.

- 5) Exhibit A is a copy of a machine printout showing the raw data collected from the Analyser in which the cholesterol and triglyceride levels for each blood sample are shown.
- 6) Exhibit B is a copy of tables showing the compiled data for cholesterol and triglyceride levels in the blood samples for which the raw data is shown in Exhibit A.
- 7) The compiled data clearly shows that serum cholesterol and triglyceride levels are lower in animals being fed our dietary supplement as opposed to the control animals, both after two days of being fed the dietary supplement (collection 2) and after over two weeks (collection 3).
- 8) From this experiment, it is evident that our dietary supplement has both a cholesterol and a triglyceride lowering effect in the blood of an animal.

- 9) The dietary supplement used in these guinea pig experiments was the esterification product between:
  - i) Max EPA (a fish oil concentrate containing 55% of docosahexaenoic acid (DHA) and eicosapentaenoic acid (EPA)); and,
  - ii) a mixture of phytosterols in which stigmasterol was the major component.
- I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

March 27/2001

Dr. H. Stephen Ewart

IBORATORY REPORT	i E				T	りし	a O	ale	sterd	E TAC	/ JME: E250	1	
** ROUTINE *** 以PLE ID: A11	/alue	POS:	1	PATIENT TRAY:	NAME: GUINEA1		1, C		1 FLUID:	SERUM MAN DIL	: 1.0000		Jul 19 00 12:58:44
TEST Na+ K+ C1- Mg GLU UREA CREA CA PHOS URIC Fe	RESULT			CODE	TEST TP ALB CHOL TRIG NBIL BC Bu LAC THEO AMON TIBC	·)	1.32 .64	mmol/L		TEST ALT AST ALKP LIDH CK AMYL GGT DGXN PHYT	RESULT		CODE
SIR DL :					<del></del>		- <u></u>						
** ROUTINE *** MPLE ID: A22		POS:	2	PATIENT TRAY:	NAME: GUINEA1	6 F	OZ, C TRACK	ase: 1	Z FLUID:	SERUM MAN DIL:	: 1.0000		Jul 19 00 12:59:20
TEST Na+ K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT		nd.	CODE	TEST TP ALB CHOL TRIG NBIL BC Bu LAC THEO AMON TIBC	(	1.16 .49	umol/l		TEST ALT AST ALKP LDH CK AMYL GGT DGXN PHYT	RESULT		CODE
STR DL :													
** ROUTINE *** MPLE ID: A23		POS:	3	PATIENT TRAY:	NAME: GUINEA1	6	P3 C	59C	LUID:	SERUM MAN DIL	: 1.0000		Jul 19 00 12:59:56
TEST Na+ K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT			CODE	TEST TP ALB CHOL TRIG NBIL BC BU LAC THEO AMON TIBC		1.47 .70	mmol/i		TEST ALT AST - ALKP LDH CK AMYL GGT DGXN PHYT	RESULT		CODE

ISTR DL :

BORATORY REPORT	Bas	elih	, VU	lues cu	Ma	uid.		analyzer na	ME: E250	1	
** ROUTINE *** MPLE ID: A31			PATIEN 4 TRAY:	T NAME: GF	1, G	ge3	-LUID:	SERUM MAN DIL:	1.0000		Jul 19 00 13:00:32
TEST Na+ K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT		CODE	TEST TP ALB CHOL ( TRIG NBIL Bc Bu LAC THEO AMON TIBC	1.16 .55	emol/L mmol/L	CODE	TEST ALT AST ALKP LDH CX AMYL GGT DGXN PHYT	RESULT		CODE
STR DL :											
** ROUTINE ***  4PLE ID: A32		POS:	PATIEN 5 TRAY:	T NAME: GP GUINEA1	2, Ga	je3	-LUID:	SERUM MAN DIL:	1.0000		Jul 19 00 13:01:08
TEST Na+ K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT		CODE	TEST TP ALB CHOL TRIG NBIL Bc Bu LAC THEO AMON TIBC	1.36 .68		CODE	TEST ALT AST ALKP LDH CK AMYL 66T D6XN PHYT	RESULT		CODE
STR DL :											
** ROLITINE *** MPLE ID: A33		POS:	PATIEN 6 TRAY:	T NAME: 6 F	23, CA	ige 3 1: 1 1	FLUID:	SERUM MAN DIL:	1.0000		Jul 19 00 13:01:44
TEST Na+ K+ C1- Mg GLU UREA CREA CA PHOS URIC Fe	RESULT		CODE	TEST TP ALB CHOL TRIG NBIL Bc Bu LAC THED AMON TIBC	1.37 .76	∎∎ol/L	CODE	TEST ALT AST - ALKP LDH CK AMYL GGT DGXN PHYT	RESULT		CODE

STR DL :

choisterol (no 1A4,1

DGXN

PHYT

**XSAT** 

		;	JUN	1,	.**		$(\Lambda$	0				
ABORATORY REPORT								ANALYZER NA	WE: E25/	01		
PAPLE ID: PV10	<b>I</b>	POS:	PATIENT 1 TRAY:	T NAME: LAURA	TRACK:	: 1 [	FLUID:	SERUM MAN DIL:	: 1.0000		Jun 20 00 : 11:51:33	
TEST Na+ K+	RESULT		CODE	TEST TP ALB	RESULT		CODE	TEST ALT AST	RESULT		CODE	
C1- Mg GLU UREA				CHOL TRIG NBIL Be	3.62	smol/L		alkp LDH CK AMYL			R	
CREA Ca PHOS				Bu LAC THED				GGT DGXN PHYT		MI	SAMPLE SAMPLE	;S
URIC Fe				AMON TIBC				≭SAT				
ISTR <b>DL</b> :												
HE ROUTINE FEE	:)_	POS:	PATIENT 2 TRAY:	T NAME: LAURA	TRACK:	: 1 /	FLUID:	SERUM MAN DIL:	: 1.0000		: Jun 20 00 : 11:51:57	
TEST Na+	RESULT		CODE	TEST TP	RESULT		CODE	TEST ALT	RESULT		CODE	
K+				ALB				AST				
C1-				CHOL	6.59	smol/L		ALKP				
Mg				TRIG	=		•	LDH				
em				NBIL				CK				
UREA				Вс				AMYL			RS	
CREA				Bu				GGT		. 1 11	r DW -	
Ca				LAC				DGXN	1	Noi	ours	
PHOS				THED				PHYT				
URIC			•	AMON								
Fe				TIBC				<b>≭SAT</b>				
VSTR DL :					画	]	Tola	es Cholest	wot	<i>!</i>		
HER ROUTINE HER			PATIEN	T NAME: B	aselin	ب3 يو	Cag	25		DATE:	: Jun 20 00	
WPLE ID: CAGE	.5−3C ·	POS:	3 TRAY:	LAURA	TRACK:	1 1 F	FLUID: "	SERUM MAN DIL:	: 1.0000	TIME:	11:52:19	
TEST Na+	RESULT		CODE	Test Tp	RESULT		CODE	TEST ALT	RESULT	•	CODE	
K+				ALB				AST				-
C1-				CHOL ***	± 1.23	mmol/L	UB «	. UTKb				
Mg				TRIG	1.00	HHU1,C	U/V	LDH				
GLU				NBIL				CK				
UREA			• •	Be				AMYL				
CREA				Bu	•			GGT				
CALA												

LAC

THEO

AMON TIBC

Ca

PHOS

URIC

Fe

2(b)

What Cholesters - No 1749.

ABORATORY R	EPORT (	,	7			the state of the s	=		ANALY	Zer N	WE: E250	01	
HEE ROUTINE	£#¥			PATIEN	T NAME: /	Büslin	22	(asi	5			DATE:	Jun 20 00
AMPLE ID:		-2C ₹	POS:	4 TRAY:	LAURA	TRAC	X: 1	FLUID:	SERUM W	W DIL:	1.0000	TIME:	11:52:40
TEST		RESULT		CODE	TEST	RESULT		CODE	TEST	F	RESULT		CODE
Na+					TP	•====			ALT				
K+					ALB				AST				
C1-						ン **#**** 4:17	1	л ов.					
							MMUL	/E / UR 15					
Mg					TRIG				LDH				
GLU					NBIL				CK				
urea					Bc				AMYI	-			
CREA					Bu				661				
Ca					LAC		•		DGXI	ŧ			
PHOS					THEO	•			PHY	Γ			
URIC					amon								
Fe					TIBC	• •			#SAT	ſ			
ICTO TN .					··	•							
ISTR DL:													
HE ROUTINE	***			PATIEN	T NAME:	Baseli	مد	1. Cap	c 4	-	-	DATE:	Jun 20 00
WPLE ID:	CAGE4-	1C '	POS:	5 TRAY:	Laura	TRAC	X: 1	fwid: 0	SERUM M	W DIL:	1.0000	TIME:	11:53:02
TEST		RESULT		CODE	TEST	RESULT		CODE	TES	r	RESULT		CODE
Na+					TP				ALT				
K+					ALB				AST				
C1-					CHOL	2.08	mmol.	n	ALKI	3			
Mg					TRIG		EBUL	/L .	LDH				
6TN					NBIL				CK				
UREA													
CREA					Bc n				AMY	-			
					Bu				661				
Ca					LAC				DGXI				
PHOS					THEO				PHY	l			
URIC				_	AMON					_			
Fe					TIBC				*SA	T			
ISTR DL :													
HH ROUTINE	***	<del></del>		DOTTEN	T NOME.	Baseli	<u>۔۔۔</u>	2, Cas	X (			DOTE -	 Jun 20 00
WPLE ID:		20	D05+	6 TRAY:	LAURA	TRO	¥• 1	FLUID:	CEDIM M	וזת עב	1 0000		
	UNLI		rugi	o man.	LIMIN	III	4/4 }	i LUID.	JENON N	TI DIL.	. 1.0000	1116-6	11.00.00
TEST		RESULT		CODE	TEST	RESULT		CODE	TES		RESULT		CODE
Na+					ΤP				ALT				
K+					ALB				AST		•		
C1-					CHOL		mol.	/L	. ALKI	)			
Mg					TRI6				LDH				
ern					NBIL				CK				
urea				• •	Bc				AMY	-			
CREA					Bu				661				
Ca					LAC	•			DEX	1			
PHOS					THEO				PHY	٢			
URIC					AMON								
r.					TIDO				~001	-			

TIBC

\*SAT

NSTR DL ;

Fe

BORATORY REPOR		DOC.	<b>p</b>	ATIENT	NAME:	G1		age	6	CEDIM	MAN T	T1 .	1 0000		Jul 19 00 13:02:19
MPLE ID: A61		PU5:	/ 1	RHT:	GUINEA1		I RHLI	( <u>;</u> ) i	-COID:	HUNGE	PIHAN D	ıı:	1.0000	1 THE:	13:00:11
TEST	RESULT		Œ	DE	TEST		RESULT		CODE		ST		RESULT		CODE
Na+					ΤP						_T				
K+					ALB						ST				
C1-					CHOL		1.40				_KP				
Mg					TRIG		. 83	mmol/L		Ц					
GLU					NBIL					Cl	( 1YL				
urea Crea					Bc Bu						3T				
Ca					LAC						SXN				
PHOS					THEO						HYT				
URIC					AMON						17 1				
Fe					TIBC					*	SAT				
STR DL :															
** ROUTINE ***					NAME:	6	PZ TRACI	Cuge	6	<del></del>				DATE:	Jul 19 00
MPLE ID: A62		POS:	8 T	RAY:	GUINEA1		TRACI	(: i i	FLUID:	SERUM	MAN D	IL:	1.0000	TIME:	13:02:5
TEST	RESULT		CC	DE	TEST		RESULT		CODE	T	EST		RESULT		CODE
Na+					TP						LT				
K+					ALB					A	ST				
C1-					CHOL	**	1.20	smol/L	OR	A	LKP				
Mg					TRIG		.61	emol/L		L	DH				
GLU					NBIL				•	C	К				
urea					Bc						MYL				
CREA					Bu						GT				
Ca					LAC						GXN				
PHOS				-	THEO					P	HYT				
URIC -					AMON					al :	COT				
Fe					TIBC					*	SAT				
ISTR DL :								•							
*** ROUTINE ***	Blood	Colle	chi	ATTENT	NAME:	Co	ntrol	1.14	1					DATE:	Jul 19 0
MPLE ID: Bii		POS:	9 1	TRAY:	GUINEA1		TRAC	K: 1	FLUID:	SERUM	MAN I	IL:	1.0000	TIME:	13:03:3
TEST	RESULT		CI	DDE	TEST		RESULT		CODE	7	EST		RESULT		CODE
Na+					TP.						LT				
K+				•	ALB T						ST				
C1-					CHOL		1.80	mmo1/L			LKP				
Mg					TRIG		1.53	emol/L			DH				
GLU			-	•	NBIL						K				
UREA					Вс						MYL				
CREA					Bu						GT CVN				
					LAC					נו	GXN				
Ca										0	LIVT				
					THEO AMON					þ	HYT				

VSTR DL :

Blood Collection #2
ABRIDATION REPORT CAMPARA 2 CARR 1

ABORATORY	REPORT	Cons	1012	Cage:	1				analyzer na	ME: E250	1	
HEE ROUTIN	VE ###			PATIENT	NAME:							Jul 19 0
MPLE ID:	B12		POS: 10	) TRAY:	GUINEA1	TRAC	<: 1 F	LUID:	SERUM MAN DIL:	1.0000	TIME:	13:04:0
TES	ST T	RESULT		CODE	TEST	RESULT		CODE	TEST	RESULT		CODE
Nat	t				TP				ALT			
K+					ALB				AST			
C1-	-				CHOL	1.77	mmol/L		ALKP			
Mg					TRIG	.73	smol/L		LDH			
GLI	J				NBIL				EK			
URE	EA				Bc				amyl.			
CRE	EA				Bu				GGT			
Ca					LAC				DGXN			
PHO	)S				THEO				PHYT			
URI	IC		•		amon							
Fe					TIBC				*SAT			
STR DL :	•											
** ROUTIN	VE ***			PATIENT	NAME: OA	120	aces	 5			DATE:	Jul 19 (
MPLE ID:			POS: 1	TRAY:	GUINEA 3	TRACI	(; 2 F	LUID:	SERUM MAN DIL:	1.0000		
TES	ST	RESULT		CODE	TEST	RESULT		CODE	TEST	RESULT		CODE
Nat					тр	MADOL		322	ALT			-
K+					ALB				AST			
C1-					CHOL (	1.16	amol/L	OR	ALKP			
Mg					TRIG	.90	smol/L	U.,	LDH			
GLU					NBIL	• 70	H=01/C		CK			
URE					Вс				AMYL			
CRE									66T			
Ca					Bu LAC							
PHO					THED				DGXN PHYT -			
UR]			_	•					PHII -			
Fe	IL				AMON TIBC				⊁SAT			
STR DL :	:											
** ROUTIN		<del></del>		PATIENT		N 3,						Jul 19 (
MPLE ID:	B53		POS: 2	? TRAY:	GUINEA 3	TRAC	(; 2 F	LUID:	SERUM MAN DIL:	1.0000	TIME:	13:07:
TES		RESULT		CODE	TEST	RESULT		CODE	TEST	RESULT		COD
Nat				÷	TΡ				ALT			
K+		•		•	ALB	•			AST			
C1-					CHOL **	1.19	mmol/L	OR	- ALKP			
Μg					TRIG	. 59	mmol/L		LDH			
GLt					NBIL				CK			
URE					Рc				AMYL			
CRE					Bu				GGT			
Ca					LAC				DGXN			
PH(					THEO				PHYT			
URI	īf.				AMON							
Uni	• •											

ABORATORY REPOI	RT 							ANALYZER NA	ME: E250	)i	
*** ROUTINE ***					DN2 0					DATE:	Jul 19 00
AMPLE ID: B68	2	POS:	3 TRAY:	GUINEA 3	S TR	ACK: 2	FLUID:	SERUM MAN DIL:	1.0000	TIME:	13:08:32
TEST	RESULT		CODE	TEST	RESUL	Γ	CODE	TEST	RESULT		CODE
Na+				TP				ALT			
K+				ALB				AST			
C1-				CHOL			L OR	ALKP			
Mg				TRIG	.6	s mmol/	L	LDH		•	
GLU				NBIL				CK			
urea				Bc				AMYL			
CREA				Bu				<del>G</del> GT			
Ca				LAC				DGXN			
PHOS				THEO				PHYT			
URIC				amon							
Fe				TIBC				*SAT			
VSTR DL :											
*** ROUTINE ***	<del></del> -		DOTTENT	NOME ·	013	Cape C				DOTE.	Jul 19 00
AMPLE ID: B63		POS: 4	TRAY:	GUINED 3	0N3, C	יראי פ	EI IIID.	SERUM MAN DIL:	1 0000		
WELL IN DOC	•	F03.	T 110011	ODINCH 3	110		LCOID:	SEKUPI PIMN DIE:	1.0000	THE	13:03:07
TEST	RESULT		CODE	TEST	RESUL.	г	CODE	TEST	RESULT		CODE
Na+	racour.		CODE	TP	KLOOL		CODE	ALT	ושטנים		CUDE
K+			•	ALB				AST			
C1-				CHOL	1.4	2 mmol/	ı	ALKP			
Mg				TRIG	.84			LDH			
GLU				NBIL		, ==01/	_	CK			
UREA				Be				AMYL			
CREA				Bu				66T			
Ca				LAC				DGXN			
PHOS				THEO				PHYT			
URIC		مم	•	AMON				riii i			
Fe				TIBC	•			≭SAT			
NSTR DL :											
	Colle	trini	<b>3</b>			1 (					
*** ROUTINE ***		.,,,,,,	PATIENT	NAME: C	onnoi	$\mathcal{L}$ , $\mathcal{C}_{i}$	rees				Jul 19 00
AMPLE ID: C11	L	POS: 5	TRAY:	GUINEA 3	TRI	ACK: 2	FLUID:	SERUM MAN DIL:	1.0000	TIME:	13:09:43
TEST	RESULT		CODE	TEST	RESUL	Γ	CODE	TEST	RESULT		CODE
Na+				TP				ALT			
K+			•	ALB		•		AST			
C1-				CHOL	2.04			- ALKP			
Mg				TRIG	1.0	s wmol/	L	LDH			
GLU			٠.	NBIL				CK			
UREA				Вс				AMYL			
CREA				Bu				GGT			
Ca				LAC				DGXN			
PHOS				THEO				PHYT			
URIC				AMON							
Fe				TIBC				≭SAT			
NSTR DL :											

ABORATORY REPORT	Coua	chim3	continu	ies.		analyzer i	MAME: E250	1
ABORATORY REPORT		PA	FIENT NAME: (	Control 2	, Cage 1	<u> </u>		DATE: Jul 19 00
AMPLE ID: C12		POS: 6 TR	AY: GUINEA	3 TRACK	: 2 FLUID:	SERUM MAN DI	.: 1.0000	TIME: 13:10:19
TEST Na+ K+ C1- Mg GLU UREA CREA CA PHOS URIC Fe	RESULT	CODE	TEST TP ALB CHOL TRIG NBIL BC Bu LAC THEO AMON TIBC	RESULT 2.38 .69	con	E TEST ALT AST ALKP LDH CK AMYL GGT DGXN PHYT	RESULT	CODE
NSTR DL :								
*** ROUTINE *** AMPLE ID: C13	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	PA POS: 7 TR	TIENT NAME: C		Cage 1: 2 FLUID:	SERUM MAN DI	.: 1.0000	DATE: Jul 19 00 TIME: 13:10:55
TEST Na+ K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT	COD	E TEST TP ALB CHOL TRIG MBIL Bc Bu LAC THEO AMON TIBC	RESULT 1.79 .67	COD smol/L	E TEST ALT AST ALKP LDH CK AMYL 6GT DGXN PHYT	RESULT	CODE
NSTR DL :								
*** ROUTINE *** AMPLE ID: C21		PA POS: 8 TR	TIENT NAME: RY: GUINEA	Control. 3 TRACK	1, Caçe : 2 FLOID:	Z SERUM MAN DI	L: 1.0000	DATE: Jul 19 00 TIME: 13:11:31
TEST Na+ K+ C1- Mg GLU UREA CREA CREA CA PHOS URIC Fe	RESULT	COD	TP	RESULT 1.92 1.16	cor meol/L meol/L	DE TEST ALT AST ALKP LIDH CK AMYL GGT DGXN PHYT	RESULT	CODE

NSTR DL :

7

** DOITTME ***				DOTTENT	NOME .	CAA.	Test. 2	Ca	CLZ					DOTF.	Jul 19 00
BORATORY REPORT  ** ROUTINE *** MPLE ID: C22		POS:	9	TRAY:	GUINEA :	3	TRACK:	2	FLUID:	SERUM	MAN	DIL:	1.0000		13:12:06
TEST	RESULT			CODE	TEST		RESULT		CODE	1	EST		RESULT		CODE
Na+					TP					f	<b>XLT</b>				
K+					ALB						IST				
C1-					CHOL		1.89				ILKP				
Mg					TRIG		.75	mmol/	L .		.DH				
GLU					NBIL						X				
UREA					Be						MYL YYT				
CREA					Bu						et Exn				
Ca					LAC THEO						TYH				
PHOS URIC					AMON					•	mu				
Fe					TIBC					7	LSAT				
STR DL :															
** ROUTINE ***					NAME:		mir	3,	Case	2					Jul 19 0
APLE ID: C23		POS:	10	TRAY:	GUINEA	3	TRACK:	2	FLUID:	SERUM	MAN	DIL:	1.0000	TIME:	13:12:4
TEST	RESULT			CODE	TEST		RESULT		CODE		<b>TEST</b>		RESULT		CODE
Na+					TP					(	ALT.				
K+					ALB						RST				
C1-					CHOL		1.96	mmol/			#TKB				
₩g					TRIG		. 83	mmol/	L		_DH				
GLU					NBIL						Ж				
UREA					Вс						AMYL				
CREA					Bu						GGT DGXN				
Ca PHOS					lac Theo						PHYT				
URIC			سر	•	AMON					1	-111 1				
Fe					TIBC						XSAT				
ISTR DL :															
*** ROUTINE ***					T NAME:		nur	1,	Cage	3					Jul 19 0
AMPLE ID: C31		P05:	1	TRAY:	GUINEA	4	TRACK	: 3	FLUID:	SERUM	MAN	DIL:	1.0000	ilmt:	13:16:0
TEST	RESULT			CODE	TEST		RESULT		CODE		TEST		RESULT		CODE
k)- /					TP OLD						ALT			-	
Na+					ALB		⊃ <b>∿</b> ⊑	mmol/	'I		ast Alkp				
K+					CHOL TRIG		2.05 .90	mmol/			LDH				
K+ C1-							. ,0	U1/	_		CK				
K+ C1- Mg					NRTI										
K+ C1- Mg GLU					NBIL Bc										
K+ C1- Mg GLU UREA				.•	Вс						AMYL GGT				
K+ C1- Mg GLU											AMYL				
K+ C1- Mg GLU UREA CREA					Bc Bu	-					AMYL GGT				
K+ C1- Mg GLU UREA CREA Ca					Bc Bu LAC						AMYL GGT DGXN				

8

ABORATORY R	FHAKI	Coll	litte	m3	Contine	usi				12ER NH	ME: E250	/1 	
*** ROUTINE	***			PAT	IENT NAME:	Coul	T12	Cago	23			DATE:	Jul 19 0
AMPLE ID:			POS:	2 TRA					SERUM P	AN DIL:	1.0000		
TEST		RESULT		CODE	TEST	RESULT		CODE	TES	T	RESULT		CODE
Na+					TP				ALT				
K+					ALB				AST				
C1-					· CHOL	2.06	smol/L		₽£.K	P			
Mg					TRI6	.90			LDH				
6เป็น					NBIL				CK				
UREA					Вс				AMY	ı			
CREA					Bu				661				
Ca					LAC				DEX				
PHOS					THEO				PHY				
									PHI	•			
URIC -					AMON				400	<del>.</del>			
Fe					TIBC				*SA	•			
STR IDL :						,							
+ ROUTINE	***			PAT	IENT NAME: C	soltol.	3, Cag	i e 3.					Jul 19 0
APLE ID:	C33		POS:	3 TRA		TRACK			SERUM M	AN DIL:	1.0000	TIME:	13:17:1
TEST		RESULT		CODE	TEST	RESULT		CODE	TES	T	RESULT		CODE
Na+	·-				TP				ALT				
K+					ALB				AST				
C1-					CHOL	2.36	smol/L		ALK				
Mg					TRIG	.87			LDH				
GLU					NBIL	•••			CK				
UREA					Вс				AM	ı			
CREA									661				
					Bu								
Ca					LAC				DG)				
PHOS					THEO				PHY	ł			
URIC					amon					_			
Fe					TIBC				#SF	Т			
STR DL :													
** ROUTINE	***			PAT	IENT NAME:	ON1, C	ace	4				DATE:	Jul 19 (
MPLE ID:	C41		POS:	4 TRA		TRACH		LUID:	SERUM N	AN DIL:	1.0000	TIME:	13:17:5
TEST	•	RESULT		CODE		RESULT		CODE	TES		RESULT		COD
Na+					TP				. ALT				
K+					ALB				AST				
C1-					CHOL	1.35	smol/L		ALH				
Mg					TRIG	.65	emol/L		LDI	!			
GLU					NBIL				CK				
urea	ļ				Вс				AMY	L			
					Bu				GGT				
CREA					LAC	•			DG	N			
					LITE								
CREA					THEO				PHY				
CREA Ca						. •							
CREA Ca PHOS					THEO	·			PHY	Τ			

_ABORATORY REPORT	Col	uch	ひ	~ 3	con	in	uei			AN	ALYZER N	AME: E250	1	
*** ROUTINE *** SAMPLE ID: C42						01	U2,			SERUM	MAN DIL	: 1.0000		Jul 19 00 13:18:26
TEST Na+ K+ C1- Mg GLU UREA CREA CA PHOS URIC Fe	RESULT			CODE	TEST TP ALB CHOL TRIG NBIL Be Bu LAC THEO AMON TIBC	(	1.16 .48	mmol/L mmol/L	CODE OR	A A L D A G D P	EST LT ST LKP DH K WYL GT SXN HYT	RESULT		CODE
'NSTR DL :														
*** ROUTINE *** GAMPLE ID: C43		POS:	6	PATIENT TRAY:	NAME: GUINEA	01	U3 (	age: 3 F	Y LUID:	SERUM	MAN DIL	: 1.0000	DATE: TIME:	Jul 19 00 13:19:02
TEST Na+ K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT		, es	CODE	TEST TP ALB CHOL TRIG NBIL Bc Bu LAC THEO AMON TIBC	(	1.16 .45	emol/L emol/L	CODE OR	A A L C A 6	EST LT ST LKP DH K MYL GT GXN HYT	RESULT		CODE
INSTR DL :														
*** ROUTINE *** SAMPLE ID: C51		POS:	7	PATIENT	NAME: GUINEA	0	W1 C	286 1: 3 F	5 <sup>°</sup> LUID:	SERUM	MAN DIL	.: 1.0000	DATE: TIME:	Jul 19 00 13:19:38
TEST Na+ K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT			CODE	TEST TP ALB CHOL TRIS NBIL BC BU LAC THEO AMON TIBC		1.27			. AA	EST LT ST LKP DH K MYL GT GXN HYT	RESULT		CODE

INSTR DL :

aboratory report	, ,	llection 3	(MI. W.			Analyzer name:	: E2501	
*** ROUTINE *** AMPLE ID: CS2	<u> </u>	PATIENT POS: 8 TRAY:		12, C	ages 3 FLUID:	SERUM MAN DIL: 1.		E: Jul 19 00 E: 13:20:14
TEST Na+ K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT	CODE	TEST TP ALB CHOL ( TRIG NBIL BC Bu LAC THEO AMON TIBC		CODE	Test re rlt rlt rst rlkp ldh ck rmyl ggt dgxn phyt	ESULT . •	CODE
NSTR DL :								
*** ROUTINE *** AMPLE ID: C53		PATIENT POS: 9 TRAY:	NAME: OA GUINEA 4	13, Ca track:	ge5 3 FLUID:	SERUM MAN DIL: 1.		E: Jul 19 00 E: 13:20:49
TEST Na+ K+ C1- Mg GLU UREA CREA CREA CA PHOS URIC Fe	RESULT	CODE	TEST TP ALB CHOL TRIG NBIL Bc Bu LAC THEO AMON TIBC		CODE	TEST REALT AST ALKP LIDH CK AMYL GGT DGXN PHYT	ESULT	CODE
		····	0.4/				<del></del>	
*** ROUTINE *** AMPLE ID: C61		POS: 10 TRAY:	NAME: ON GUINEA 4	TRACK:	3 FLUID:	SERUM MAN DIL: 1.		E: Jul 19 00 E: 13:21:32
TEST Na+ K+ C1- Mg SLU UREA CREA CREA CA PHOS URIC Fe	RESULT	CODE	TEST TP ALB CHOL ( TRIG NBIL Bc Bu LAC THEO AMON TIBC		CODE	TEST RI ALT AST ALKP LDH CK AMYL GGT DGXN PHYT	ESULT	CODE

INSTR DL :

ABORATORY REP	$\mathcal{C}$	Ollection 2	ر د			ANALYZER NAME:	E2501
*** ROUTINE *		PATIENT	NAME: Co.	MUH 3,	Cage 1		DATE: Jul 19 00
AMPLE ID: B	13	POS: 1 TRAY:	GUNIEA 2	TRACK:	4 FLUID:	SERUM MAN DIL: 1.0	0000 TIME: 13:22:57
TEST	RESULT	CODE	TEST	RESULT	CODE		SULT CODE
Na+			TP			ALT	
K+			ALB			ast	
C1-			CHOL **		ol/L OR	ALKP	
Mg			TRI6	.93 👪	iol/L	LDH	
6LU			NBIL			CK	
UREA			Be			· AMYL	
CREA			Bu			661	
Ca			LAC			DGXN	
PHOS			THEO			PHYT	
URIC			amon				
Fe			TIBC			≭SAT	
ISTR DL :							
** ROUTINE *	**	POTIENT	NAME: CO.	nT. 013	(nae?		DATE: Jul 19 00
MPLE ID: B		POS: 2 TRAY:	GUNIEA 2	TRACK:	4 FLUID:	SERUM MAN DIL: 1.0	0000 TIME: 13:23:34
TEST	OCCUP T	CORE	TENT				
TEST	RESULT	CODE	TEST	RESULT	CODE		SULT CODE
Na+ "	-		TP			ALT	
K+			ALB			AST	
C1-			CHOL	1.38 ##		ALKP	
₩g			TRIG	. 84	io1/L	LDH	
GLU			NBIL			CK	
UREA			Bc			AMYL	
CREA			Bu			66T	
Ca			LAC			DGXN	
PHOS			THEO			PHYT	
URIC		~	amon				
Fe			TIBC			≭SAT	
ISTR DL :							
** ROUTINE **		OOTICAT	NAME: Co.	10 Kg al 2	Cica?		DOTT - 1-1 40 00
MPLE ID: Ba		POS: 3 TRAY:	GUNIER 2	TRACK:	4 FLUID:	SERUM MAN DIL: 1.0	DATE: Jul 19 00 000 TIME: 13:24:10
TEST	RESULT	CODE	TEST	RESULT	CODE	TEST RES	OULT CODE
Na+			TP			ALT	
K+			ALB			AST	-
C1-			CHOL	1.37	o1/L	. ALKP	·
Mg			TRIG		ol/L	LDH	
GLU			NBIL			CK	
UREA		<b>-</b> *	Bc			AMYL	
CREA			Bu			GGT	
Ca			LAC			DGXN	
PHDS			THEO	•		PHYT	
URIC			AMON				
Fe			TIBC			- %SAT	
			<del>-</del>			,	

ISTR DL :

.ABORATORY REPORT	Col	UCCH	in 2	Conlin	ued.		analyzer nam	E: E2501
*** ROUTINE *** ¡AMPLE ID: B31			PATIENT 4 TRAY:	NAME:	TRACK:	4 FLUID:	SERUM MAN DIL:	DATE: Jul 19 00 1.0000 TIME: 13:24:45
TEST Na+ K+ C1- Mg GLU UREA CREA CA PHOS URIC Fe	RESULT		CODE	TEST TP ALB CHOL TRIG NBIL Be Bu LAC THEO AMON TIBC		CODE	Test Alt Ast Ast Alkp Lidh CK AMYL GGT DGXN PHYT	RESULT CODE
NSTR DL :								
*** ROUTINE *** AMPLE ID: B32	<del></del>	POS:	PATIENT 5 TRAY:	NAME: GUNIEA 2	TRACK:	4 FLUID:	SERUM MAN DIL:	DATE: Jul 19 00 1.0000 TIME: 13:25:21
TEST Na+ K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT		CODE	TEST TP ALB CHOL TRIG NBIL Bc Bu LAC THEO AMON TIBC		CODE	TEST ALT AST ALKP LDH CK AMYL GGT DGXN PHYT	RESULT CODE
INSTR DL :								
*** ROUTINE ***  AMPLE ID: B33		POS:	PATIENT 6 TRAY:	NAME: GUNIEA 2	TRACK:	4 FLUID:	SERUM MAN DIL:	DATE: Jul 19 00 1.0000 TIME: 13:25:57
TEST Na+ K+ C1- Mg GLU UREA CREA CREA CA FHOS URIC Fe	RESULT		CODE	TEST TP ALB CHOL TRIG NBIL Bc Bu LAC THEO AMON TIBC		CODE	ALT - AST - ALKP LDH CK AMYL GGT DGXN PHYT	result code

ABORATORY REPORT	Co	uechin 2				analyzer nai	4E: E250	1	
*** ROUTINE ***			ENT NAME: O	N/ Cage TRACK: 4		SERUM MAN DIL:	1.0000		Jul 19 00 13:26:33
TEST Na+ K+ C1- Mg SLU UREA CREA CREA CA PHOS URIC Fe	RESULT	CODE	TEST TP ALB CHOL ( TRIG NBIL Bc Bu LAC THEO AMON TIBC	RESULT  1.16 mmol .69 mmol		TEST ALT AST ALKP LDH CK AMYL GGT DGXN PHYT	RESULT		CODE
NSTR DL :			-						
*** ROUTINE *** AMPLE ID: B42	-	PATI POS: 8 TRAY		U2, Cage TRACK: 4		SERUM MAN DIL:	1.0000		Jul 19 00 13:27:16
TEST Na+ K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT	CODE	TEST TP ALB CHOL ** TRIG NBIL Bc Bu LAC THEO AMON TIBC	1.17 maol		Test Alt Ast Alkp Linh CX Amyl Get Dexn Phyt	RESULT		CODE
NSTR DL :			· · · · · · · · · · · · · · · · · · ·		<del></del>				····
*** ROUTINE *** AMPLE ID: B43		PATI POS: 9 TRAY		ON3, Casa Track: 4		SERUM MAN DIL:	1.0000		Jul 19 00 13:28:06
TEST Na+ K+ C1- Mg GLU UREA CREA CA PHOS URIC Fe	RESULT	CODE	TEST TP ALB CHOL { TRIG NBIL BC BU LAC THEO AMON TIBC	1.16 mmol	/L	TEST ALT AST ALKP LDH CK AMYL GGT DGXN PHYT	RESULT		COLDÆ

NSTR DL :

ABORATORY REPORT

ANALYZER NAME: E2501

*** ROUTINE **	*		PATIS	ENT NAME:			<del></del>			DATE: Jul 19 00
AMPLE ID: PR	AC	POS:	3 TRAY	GUINEA 5	TRACK	: 1	FLUID:	SERUM MAN DIL:	1.0000	TIME: 13:31:05
TEST	RESULT		CODE	TEST	RESULT		CODE	TEST	RESULT	CODE
Na+	+ TP		ALT							
K+				ALB	AST					
C1-				CHOL (	1.16	mol/L	OR	ALKP		
Mg				TRIG	.66	mmol/L		LDH		
GLU				NBIL				CK		
urea				Bc				AMYL		
CREA				Bu				66T		
Ca				LAC				DGXN		
PHOS				THEO				PHYT		
URIC				amon						
Fe				TIBC				<b>≭</b> SAT		

USTR DL :

,

. . -

ABORATORY REPORT	Couc	Chin	د					ANALYZI	ER NAME: E250	1	
*** ROUTINE *** AMPLE ID: B51		POS: 10	PATIENT N	IAME: 6,	VII, (		S LUID:	SERUM MAN	DIL: 1.0000		Jul 19 00 13:28:42
TEST Na+ K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT	(	CODE	TEST TP ALB CHOL TRIG NBIL BC BU LAC THEO AMON TIBC	1.31 .70	emol/L emol/L	CODE	TEST ALT AST ALKP LDH CK AMYL GGT DGXN PHYT	RESULT		CODE
ISTR DL :											
++* ROUTINE ++* WPLE ID: C62	Cotte	ちい <sup>3</sup> POS: 1	PATIENT N	NAME: ON GUINEA 5	J2, C			SERUM MAN	DIL: 1.0000		Jul 19 00 13:29:30
TEST Na+ K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT		CODE	TEST TP ALB CHOL TRIG NBIL BC Bu LAC THEO AMON TIBC	1.59 .71	##ol/L	CODE	TEST ALT AST ALKP LDH CX AMYL GGT DGXN PHYT	RESULT		CODE
NSTR DL :		. 2									
*** ROUTINE *** AMPLE ID: C63	o Wesir	POS: 2		NAME: ON S GUINEA 5	3, Cag		LUID:	serum man	DIL: 1.0000		Jul 19 00 13:30:15
TEST Na+ - K+ C1- Mg GLU UREA CREA Ca PHOS URIC Fe	RESULT		CODE	TEST TP ALB CHOL TRIG NBIL BC BU LAC THEO AMON TIBC	1.70 .73	mmol/L mmol/L	CODE	TEST ALT AST ALKP LIDH CK AMYL GGT DGXN PHYT	RESULT		CODE

MSTR DL :

### Datachol

Total Choi (mmol/L)		<del></del>	<del></del>	<del></del>	T	T
TOTAL CHOI (IIIIIIOI/L)	<del></del>		-		+	<del> </del>
Collection 1	TERRITORIA		<del> </del>		+-	<u> </u>
						-
	Cage 1	#1	1.32		1	1
		#2	1.50		<del>                                     </del>	<u> </u>
			1 - 1 - 1			
	Cage 2	#2	1.16		<del>                                     </del>	
		#3	1.47		<del>                                     </del>	
	Cage 3	#1	1.16			
	•	#2	1.36			
		#3	1.36			
	Cage 4	#1	2.08			
	Cage 5	#2	1.17			
		#3	1.23			
	Cage 6	#1	1.40		L	
		#2	1.20			<u>                                     </u>
	Mean (SD)		128 (CIZ)			
Collection 2	Control		<b></b>	Supplement		<u> </u>
(2 days on Chol enrichment)		11.4	1.00		11.4	1 1 1 1 1 1
	Cage 1	#1	1.80	Cage 4	#1	1.16
		#2	1.77		#2	1.17
		#3	1.25		#3	1.16
	Cage 2	#2	1.37	Cage 5	#1	1.31
· · · · · · · · · · · · · · · · · · ·	Cage 2	#3	1.38	Cage 3	#2	1.16
	<del></del>	#5	1.50	<del></del>	#3	1.19
		_	<del>                                     </del>	+	#0	
	' Cage 3	#1	2.04	Cage 6	#2	1.16
		#2	2.38	- Jugo o	#3	1.42
		#3	1.79		" -	
	Mean (SD)	-	1.72 (0.38)	Mean (SD)		1.22 (0,10)
						-736223- and Calenda
Collection 3	Control			Supplement		
· · · · · · · · · · · · · · · · · · ·	Cage 1	#1	2.04	Cage 4	#1	1.35
		#2	2.38		#2	1.16
· · · · · · · · · · · · · · · · · · ·	<u> </u>	#3	1.79		#3	1.16
	<del> </del>			· .		ļ
	Cage 2	#1	1.92	Cage 5	#1	1.27
		#2	1.89	<del> </del>	#2	1.16
<del> </del>	1	#3	1.96		#3	1.31
	Comp	11.4	0.05	00	11:4	
	Cage 3	#1	2.05	Cage 6	#1	1.16
<del></del>	<del> </del>	#2	2.06 2.36		#2	1.59
	i	1 #F3	. 2.301			

## DataTAG

Triacylglycerides (mmol	<u>/L)</u>		ļi		<u> </u>	<del> </del>
Collection 1	A COLUMN TO THE REAL PROPERTY OF THE PERTY O					<del> </del>
Conection 1	Baseline		<del> </del>		ļ	
	Cage 1	#1	0.61	-	<del> </del>	<del> </del>
	Cage	#1	0.61			<del> </del>
	Cage 2	#2	0.49		-	ļ
	Ougo 2	#3	0.70		├─	
			- 0.70			<del> </del>
	Cage 3	#1	0.55	···	-	
		#2	0.68			
		#3	0.76			
		<del></del>	00			
	Cage 6	#1	0.83		<del>                                     </del>	<u> </u>
		#2	0.61			
	Mean (SD)		065 (071)		<u> </u>	
			med			
Collection 2	Control			Supplement/		
				January 17 1 1 1		
	Cage 1	#1	1.53	Cage 4	#1	0.69
		#2	0.73		#2	1.26
		#3	0.93		#3	0.59
	Cage 2	#2	0.85	Cage 5	#1	0.70
		#3	0.84		#2	0.90
					#3	0.59
-	Cage 3	#1	0.71	Cage 6	#2	0.66
		#2	0.81	_	#3	0.80
		#3	0.92			
	Mean (SD)		0.92 (0.26)	Mean (SD)		0.77 (0.2
Collection 3	Control			Supplement		
	Cage 1	#1	1.06	Cage 4	#1	0.65
		#2	0.69		#2	0.48
		#3	0.67		#3	0.45
	Cage 2	#1	1.16	Cage 5	#1	0.61
		#2	0.75	1 22900	#2	0.56
		#3	0.83		#3	0.55
	Cage 3	#1	0.90	Cage 6	#1	0.84
		#2	0.90		#2	0.71
·	Mean (SD)	#3	0.87 0.87 (0.16)	Mean (SD)	#3	0.73 <u>0.62 (0.1</u>

# This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:
☐ BLACK BORDERS
☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
☐ FADED TEXT OR DRAWING
☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
☐ SKEWED/SLANTED IMAGES
☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
☐ GRAY SCALE DOCUMENTS
☐ LINES OR MARKS ON ORIGINAL DOCUMENT
$\square$ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

## IMAGES ARE BEST AVAILABLE COPY.

**□** OTHER: \_\_\_\_\_

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.